

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

DAVID H. THIBADO

PHA 23,583C

Serial No.

Filed: CONCURRENTLY

Title: METHOD FOR AIR-WOUND COIL VACUUM PICK-UP, SURFACE MOUNTING, AND ADJUSTING (AS AMENDED)

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to calculation of the filing fee and examination, please amend the above-identified application as follows:

IN THE TITLE

Please change the current title to the following.

--A CIRCUIT BOARD WITH AN AIR-WOUND COIL FOR VACUUM PICK-UP, SURFACE MOUNTING, AND ADJUSTING--.

IN THE SPECIFICATION

Page 4, after line 33, insert as a new paragraph:

--The terminals may be straight sections of the wire that forms the coil, as shown in figure 1, with these straight sections extending tangentially from the coil so that these terminals can be placed on a flat pad on a circuit board, as shown in figures 3-5. The coil is preferably an air coil as shown, that is, the coil does not contain a core. Preferably, the coil is made from a highly conductive metal such as highly purified copper. The wire of the coil may be 0.05 to 1 mm in diameter and the coils are spaced between 1.1 and 20 times the diameter of the wire, and more preferably from 2 to 10 times the diameter of the wire. The coils are spaced between 2 and 10 times the diameter of the wire and the diameter of the loops is between 10 and 100 times the diameter of the wire. The loops are produced with a predetermined manufacturing